

NWS CHANGE FORM PART A			1. DATE SUBMITTED 08Oct99	
This form is in three parts. Submitters must complete unshaded blocks in Part A and as much of Part B as possible. WSH will complete Part C (implementation details). If there is no specific required change date, enter 60 days from date submitted. Address questions to NWS Change Management at (301) 713-1373. Submit change requests to the NWSRC mailbox (External: NWSRC@noaa.gov).				
2. ORIGINATOR OFFICE NWS W/APO	3. SUBMITTING AUTHORITY Name: Mary Glackin Routing Code: W/APO	4. COGNIZANT TECHNICAL INDIVIDUAL Name: Walter T Scott Routing Code: W/APO/SE Phone: (301) 713-1570 x 146	5. ORIGINATOR TRACKING NUMBER RC-W/APO-001	
6. SYSTEMS AFFECTED BY CHANGE <input type="checkbox"/> DATA PRODUCTS (Complete Data Products Supplement) <input type="checkbox"/> ASOS <input checked="" type="checkbox"/> AWIPS <input type="checkbox"/> CRS <input type="checkbox"/> NEXRAD <input type="checkbox"/> OTHER (specify) _____			7. WSH TRACKING NUMBER NWS 510	
8. TITLE OF CHANGE AWIPS DS1A Upgrade				
9. TYPE OF CHANGE <input checked="" type="checkbox"/> HARDWARE <input type="checkbox"/> SOFTWARE <input type="checkbox"/> DOCUMENTATION ONLY		10. SITES AFFECTED (Attach Part B, Page 2, if needed) See Attachment Part A page 3		
11. STATEMENT OF REQUIREMENT, PROBLEM, OR DEFICIENCY OF EXISTING SYSTEM (Include problem report reference numbers.) <p>The AWIPS Data Servers (DS1 and DS2) have been experiencing performance problems that have prevented Software Build 4.2.2 from running properly. The problem has been identified to be a lack processor speed associated with the D-370/1 Enterprise server that is currently being used as the Data Server. These processors are being replaced with a faster and more powerful model of the HP D-Series processor, the D-380/2 model.</p>				
12. KNOWN OR PROPOSED SOLUTION (Include source and description of new features or data products.) <p>Data Server processing requirements for Build 4.2.2 and later will be satisfied with the implementation of this fix. This solution has been tested in the NWS NHDA system. It has also been field tested at site KRF.</p>				
13. ALTERNATE SOLUTIONS <p>None - Data processing power must be increased to accommodate build 4.2.2.</p>				
14. REQUIRED CHANGE DATE 10 Nov 1999	15. RATIONALE FOR REQUIRED CHANGE DATE (Include proposed priority, if known.) <p>Data processing capability and speed must be increased to accommodate current and future software builds.</p>			
CCB/PMC/CMB DECISION				
16. DECISION AUTHORITY LEVEL	<input type="checkbox"/> CCB LEVEL ONLY	<input type="checkbox"/> PMC or NWS CMB DECISION REQUIRED		
17. CCB LEVEL DECISION	<input type="checkbox"/> APPROVED <input type="checkbox"/> RECOMMEND APPROVAL <input type="checkbox"/> DISAPPROVED	SIGNATURE DATE SIGNED		
FOR USE ONLY WHEN PMC or NWS CMB DECISION REQUIRED				
18. PMC OR NWS CMB DECISION	<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED	SIGNATURE DATE SIGNED		

NWS CHANGE FORM PART B		1. ORIGINATOR TRACKING NUMBER RC-W/APO-001	
All RC/ECP submissions must also address the following information. Indicate if any areas are unknown or do not apply. State why information is unknown and when it will be available. Attach extra pages if necessary, referencing each applicable subject.		2. WSH TRACKING NUMBER	
FUNDING INFORMATION			
Estimate costs and indicate known sources of funding. (Include travel time, installation time, administrative time, and software development time when applicable.)		3. SOURCE OF FUNDING	4. TOTAL COST \$\$\$\$*****
5. DEVELOPMENT COSTS (Estimate development costs)			AMOUNT NA
6. OPERATIONAL TEST AND EVALUATION COSTS (Estimate test and evaluation costs)			AMOUNT NA
7. PRODUCTION COSTS (Include acquisition, kit proofing, spares, delivery, and documentation costs) Acquisition and installation costs of new processor boards, new prod. Drwg and PL		Contract Mod	AMOUNT \$*****
8. COMMUNICATIONS SERVICE/CIRCUITS COSTS (Include installation and recurring costs)			AMOUNT
9. IMPLEMENTATION SUPPORT COSTS (Include travel, installation, and administrative costs)			AMOUNT NA
9A. LIFE CYCLE SUPPORT COSTS (Less communications service/circuits) Increased Maintenance Costs		Contract Mod	AMOUNT *****888
SUPPORTING INFORMATION AND SCHEDULES Provide detailed information needed to implement the requested change.			
10. DEVELOPMENT STATUS/SCHEDULE (Major milestones such as Start, Beta Test, and OT&E) NA		11. PRODUCTION STATUS/SCHEDULE (Major milestones such as Solicitation, Contract Start Date, Delivery Date, Kit Proofing, etc.) NA	
12. IMPLEMENTATION/RETROFIT SCHEDULE See Attachment Part B page 3		13. FACILITY INFORMATION (Attach facility drawings/plans.) NA	
14. COMMUNICATIONS INSTALLED (Type required, who will order, and associated hardware required; attach Part B, Page 2, if needed.) NA		15. COMMUNICATIONS SERVICE/CIRCUITS TO BE REMOVED NA	
16. REQUIRED CLEARANCES, WAIVERS, AND LICENSES (Include person or organization responsible for obtaining each) NA		17. COORDINATION OF CHANGE WITH OTHER CHANGES NA	
18. PHYSICAL ITEMS AND DOCUMENTS AFFECTED (Include part, serial, and document numbers. Attach Part B, Page 2, if needed.) See attach B page 2		19. STAFF RESOURCE IMPACTS (Skills and workload impact on maintainers, operators, and managers.) None	
20. LOGISTICS IMPACTS (Include facilities, maintenance, training, and support equipment impacts.) NA		21. OPERATIONAL IMPACTS (Include continuity and back up needs and plans.) System will be run in degraded mode (the un-involved DS handling load) while each DS is modified. (Approximately 4 hours/site)	
22. ADDITIONAL MAJOR CHANGE ACTIVITIES (Include who will accomplish each of them and staff hours required.) HP personnel will install and test new processor board in each DS. HP personnel will report completion of upgrade to NCF.			

NWS CHANGE FORM PART B - PHYSICAL ITEM AND DOCUMENT IMPACT MATRIX SUPPLEMENT						1. ORIGINATOR TRACKING NUMBER			
This information is required prior to publication of Engineering Modification Notes and Software Release Notes. List physical items to be replaced and specify any changes in related documentation. (Submitters should complete this information, if known. WSH will assist.)						2. WSH TRACKING NUMBER			
3. ITEM NAME, CIRCUIT TYPE, SOFTWARE VERSION, OR SITE LOCATION	4. REMOVE REPLACE MODIFY	5. SUPERSEDED ITEM OR CONFIGURATION		6. SUPERSEDING PART NUMBER OR NEW CONFIGURATION	7. DOC TYPE	8. SUPERSEDED DOCUMENT		9. SUPERSEDING DOCUMENT	
		A. PART NUMBER OR CONFIGURATION	B. SERIAL NUMBER(S) OR COMMENTS			A. IDENTIFIER	B. REV	A. IDENTIFIER	B. REV
AWIPS Data Server DS1A	replace	HP-A3560A	Processor Board	A3575A	Product Drawing	AWP-000000- 109-0110	C	AWP-000000- 109-0110	D
					Parts List	AWP-000000- 109-0110-3		AWP-000000- 0110-4	

<div>NWS CHANGE FORM</div> <div>PART C</div>		1. ORIGINATOR TRACKING NUMBER	
WSH is responsible for Part C, but submitters may complete sections that would help clarify the change requirement or the necessary implementation actions.		2. WSH TRACKING NUMBER	
3. CCB COST EVALUATION			
NWS COST \$ ***** FAA COST \$ DOD COST \$ OTHER AGENCY COST \$ TOTAL COST \$***** (SPECIFY)_____			
4. IMPLEMENTATION DOCUMENTS REQUIRED			
<input checked="" type="checkbox"/> Engineering Modification Note <input type="checkbox"/> Software Release Notes <input type="checkbox"/> Other Document (Specify)_____			
ADDITIONAL IMPLEMENTATION INSTRUCTIONS (e.g., Implementation schedule, parts shipping instructions, equipment disposal procedures, additional documentation required, and status reporting instructions.) Include documentation, data input, notification vehicle, or specific action step required to verify completion of the implementation activity.			
5. IMPLEMENTATION ACTIVITY REQUIRED	6. REQUIRED COMPLETION DATE	7. RESPONSIBLE PERSON AND OFFICE	8. DOCUMENT OR ACTION REQUIRED TO VERIFY COMPLETION
NA			